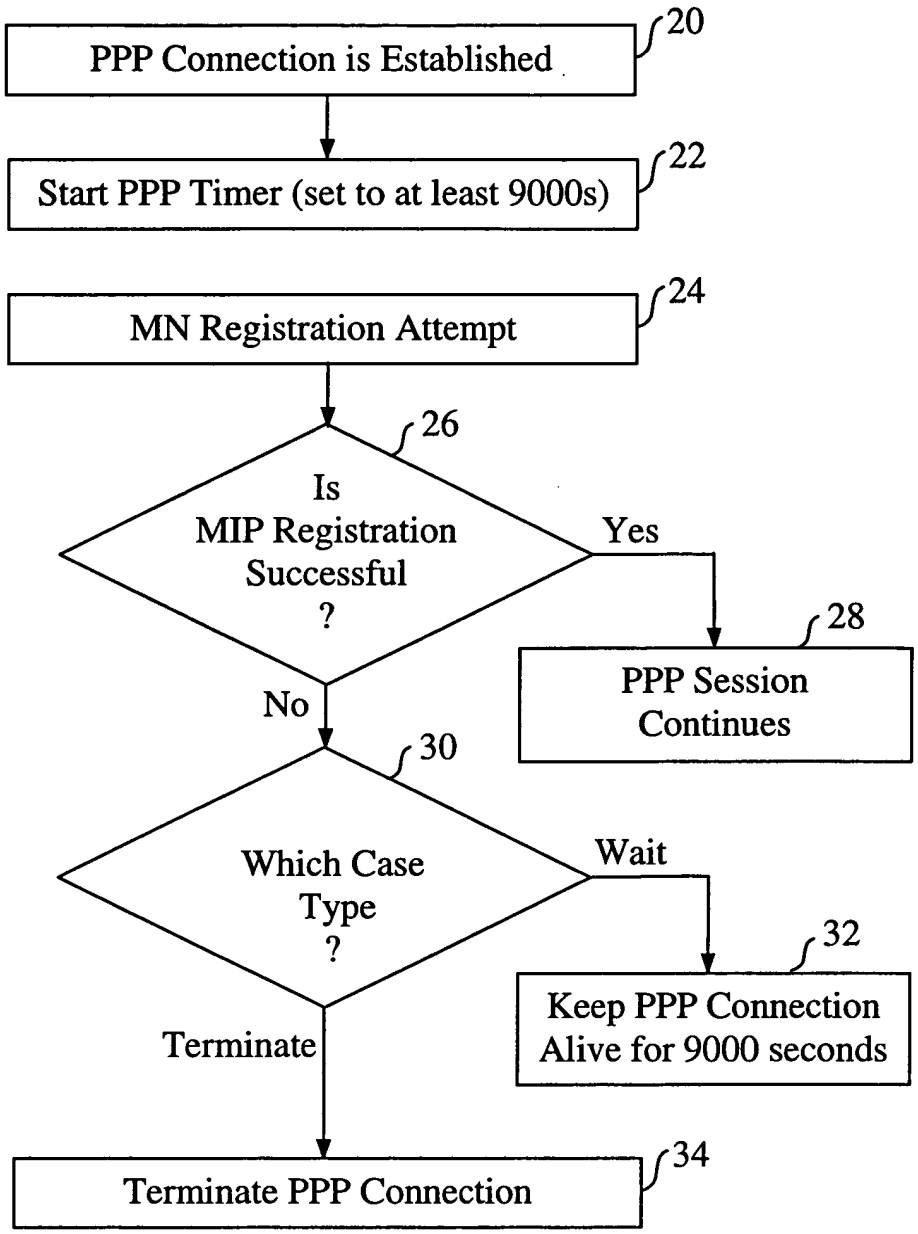

Figure 1. (Prior Art)

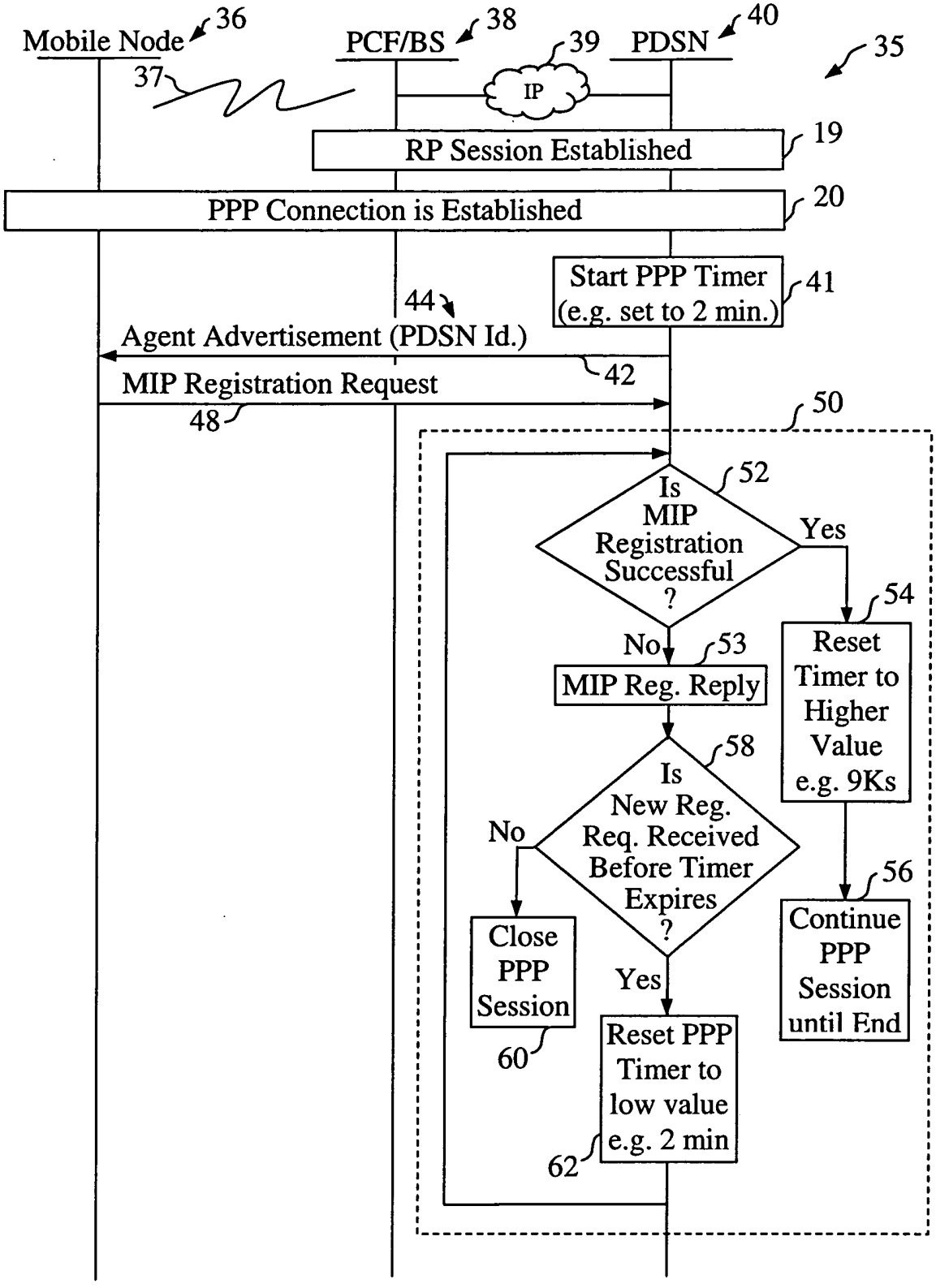
Mobile Node
36
PCF/BS
38
39
PDSN
40
35
37
IP
RP Session Established
19
PPP Connection is Established
20
Start PPP Timer
(e.g. set to 2 min.)
41
44
Agent Advertisement (PDSN Id.)
42
MIP Registration Request
48
50
52
Is
MIP
Registration
Successful
?
Yes
54
No
53
MIP Reg. Reply
Reset
Timer to
Higher
Value
e.g. 9Ks
58
Is
New Reg.
Req. Received
Before Timer
Expires
?
No
56
Close
PPP
Session
60
Yes
Reset PPP
Timer to
low value
e.g. 2 min
62
Continue
PPP
Session
until End

Figure 2

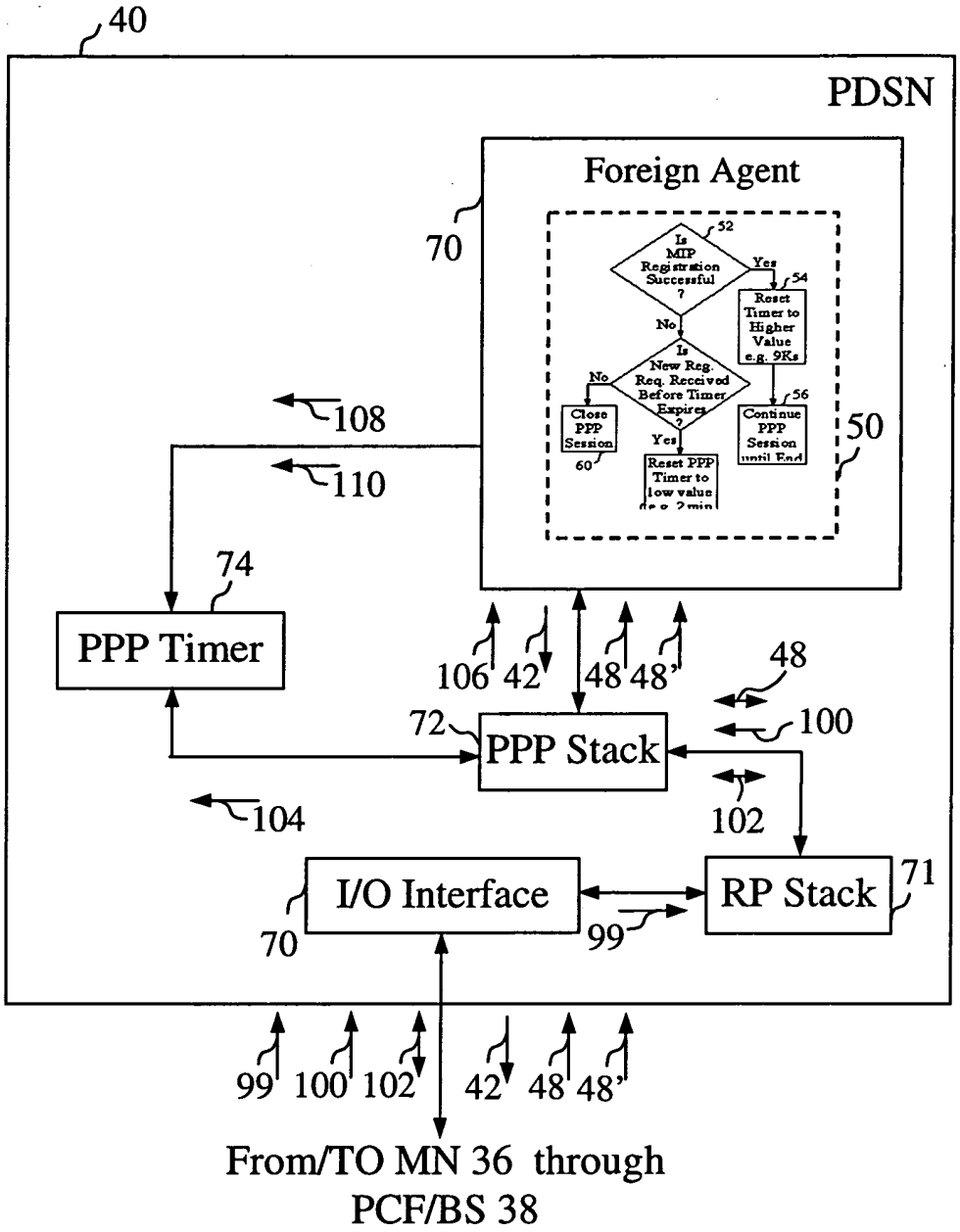
40
PDSN
Foreign Agent
70
Is MIP Registration Successful ?
52
Yes
54
Reset Timer to Higher Value e.g. 9Ks
No
Is New Reg. Req. Received Before Timer Expires ?
No
Yes
56
Close PPP Session
60
Reset PPP Timer to low value
Continue PPP Session
50
108
110
74
PPP Timer
106
42
48
48'
48
72
PPP Stack
100
104
102
I/O Interface
70
99
RP Stack
71
99
100
102
42
48
48'
From/TO MN 36 through
PCF/BS 38

Figure 3